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21 [Algorithm 237: Greatest common divisor](#)

J. E. L. Peck

August 1964 **Communications of the ACM**, Volume 7 Issue 8


Full text available:  [pdf\(650.20 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



22 [A dictionary of APL](#)

Kenneth E. Iverson

September 1987 **ACM SIGAPL APL Quote Quad**, Volume 18 Issue 1

Full text available:  [pdf\(3.34 MB\)](#) Additional Information: [full citation](#), [citations](#), [index terms](#)



23 [Revised5 report on the algorithmic language scheme](#)

N. I. Adams, D. H. Bartley, G. Brooks, R. K. Dybvig, D. P. Friedman, R. Halstead, C. Hanson, C. T. Haynes, E. Kohlbecker, D. Oxley, K. M. Pitman, G. J. Rozas, G. L. Steele, G. J. Sussman, M. Wand, H. Abelson

September 1998 **ACM SIGPLAN Notices**, Volume 33 Issue 9


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24 [A polynomial time generator for minimal perfect hash functions](#)

Thomas J. Sager

May 1985 **Communications of the ACM**, Volume 28 Issue 5

Full text available:  [pdf\(1.01 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



A perfect hash function PHF is an injection F from a set W of M objects into the set consisting of the first N nonnegative integers where $N \geq M$. If $N = M$, then F is a minimal perfect hash function, MPHf. PHFs are useful for the compact storage and fast retrieval of frequently used objects such as reserved words in a programming language or commonly employed words in a natural language. The minicycle algorithm for finding PHFs executes with an expected time complexity that is $po \dots$

25 [Mathematical laboratories: a new power for the physical and social sciences](#)

Glen J Culler

January 1986 **Proceedings of the ACM Conference on The history of personal workstations**

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1 [Scoped hybrid automatic repeat reQuest with forward error correction \(SHARQFEC\)](#)

Roger G. Kermode

October 1998 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication**, Volume 28 Issue 4

Full text available: [pdf \(1.67 MB\)](#)

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Reliable multicast protocols scale only as well as their ability to localize traffic. This is true for repair requests, repairs, and the session traffic that enables receivers to suppress extraneous requests and repairs. We propose a new reliable multicast traffic localization technique called Scoped Hybrid Automatic Repeat reQuest with Forward Error Correction (SHARQFEC). SHARQFEC operates in an end-to-end fashion and localizes traffic using a hierarchy of administratively scoped regions. Sessi ...

Keywords: ARQ, FEC, administrative-scoping, hierarchy, multicast, reliable, scalable

2 [On the effect and control of self-similar network traffic: a simulation perspective](#)

Kihong Park

December 1997 **Proceedings of the 29th conference on Winter simulation**

Full text available: [pdf \(905.01 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Performance evaluation of Forward Error Correction in ATM networks](#)

Ernst W. Biersack

October 1992 **ACM SIGCOMM Computer Communication Review , Conference proceedings on Communications architectures & protocols**, Volume 22 Issue 4

Full text available: [pdf \(1.04 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

If the packet loss rate in a network is higher than the loss rate requested by an application, the transport protocol must make up for the difference in loss rate. In high bandwidth delay-product networks the latency introduced by retransmission-based error recovery schemes may be too high for applications with latency constraints. In this case, Forward Error Correction (FEC) can be used. FEC allows recovery from loss without retransmission. The amount of loss recovered str ...

4 [On the effects of adaptive forward error correction mechanism in direct broadcast satellite networks](#)

Fatih Alagöz, David Walters, Amina Alrustamani, Branimir Vojcic, Raymond Pickholtz

August 1999 **Proceedings of the 2nd ACM international workshop on Modeling, analysis and simulation of wireless and mobile systems**



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61 Galois Lattice: a framework for concept learning. Design, evaluation and refinement

Mephu-Nguifo, E.;

Tools with Artificial Intelligence, 1994. Proceedings., Sixth International Conference on , 6-9 Nov. 1994

Pages:461 - 467

[\[Abstract\]](#) [\[PDF Full-Text \(640 KB\)\]](#) IEEE CNF

62 Low complexity parallel multipliers for Galois fields $GF((2^n)^4)$ based on special types of primitive polynomials

Paar, C.;

Information Theory, 1994. Proceedings., 1994 IEEE International Symposium on , 27 June-1 July 1994

Pages:98

[\[Abstract\]](#) [\[PDF Full-Text \(64 KB\)\]](#) IEEE CNF

63 An upper bound for some exponential sums over Galois rings and applications

Kumar, P.V.; Helleseth, T.; Calderbank, A.R.;

Information Theory, 1994. Proceedings., 1994 IEEE International Symposium on , 27 June-1 July 1994

Pages:70

[\[Abstract\]](#) [\[PDF Full-Text \(52 KB\)\]](#) IEEE CNF

64 SIGMA: A VLSI Chip for Galois Field $GF(2^m)$ Based Multiplication and Division

Kovac, M.; Ranganathan, N.; Varanasi, M.;

VLSI Design, 1993. Proceedings. The Sixth International Conference on , January 3-6, 1993

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[\[Abstract\]](#) [\[PDF Full-Text \(512 KB\)\]](#) IEEE CNF

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1 Simulation and design methodology for a 50-Gb/s multiplexer/demultiplexer package

Lei Shan; Meghelli, M.; Joong-Ho Kim; Trewhella, J.M.; Oprysko, M.M.;
 Advanced Packaging, IEEE Transactions on [see also Components, Packaging and Manufacturing Technology, Part B: Advanced Packaging, IEEE Transactions on], Volume: 25, Issue: 2, May 2002
 Pages:248 - 254

[\[Abstract\]](#) [\[PDF Full-Text \(633 KB\)\]](#) **IEEE JNL**

2 Wavelength reuse for efficient packet-switched transport in an AWG-based metro WDM network

Scheutzow, M.; Maier, M.; Reisslein, M.; Wolisz, A.;
 Lightwave Technology, Journal of, Volume: 21, Issue: 6, June 2003
 Pages:1435 - 1455

[\[Abstract\]](#) [\[PDF Full-Text \(1391 KB\)\]](#) **IEEE JNL**

3 Wavelength reuse for efficient transport of variable-size packets in a metro WDM network

Maier, M.; Scheutzow, M.; Reisslein, M.; Wolisz, A.;
 INFOCOM 2002. Twenty-First Annual Joint Conference of the IEEE Computer and Communications Societies. Proceedings. IEEE, Volume: 3, 23-27 June 2002
 Pages:1432 - 1441 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(359 KB\)\]](#) **IEEE CNF**

4 Non-intrusive testing of high-speed CML circuits

Devdas, V.; Ivanov, A.;
 Test Symposium, 1998. ATS '98. Proceedings. Seventh Asian, 2-4 Dec. 1998
 Pages:172 - 178

[\[Abstract\]](#) [\[PDF Full-Text \(76 KB\)\]](#) **IEEE CNF**

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1 A new adaptive FEC scheme for wireless ATM networks

Akyildiz, I.F.; Joe, I.; Driver, H.; Ho, Y.L.;
Military Communications Conference, 1998. MILCOM 98. Proceedings.,
IEEE , Volume: 1 , 18-21 Oct. 1998
Pages:277 - 281 vol.1

[Abstract] [PDF Full-Text (416 KB)] IEEE CNF

2 The effectiveness of cell-level FEC for packet delivery in ATM networks

Guha, A.; Tai-Sheng Chang;
Local Computer Networks, 1997. Proceedings., 22nd Annual Conference on , 2-5
Nov. 1997
Pages:264 - 273

[Abstract] [PDF Full-Text (796 KB)] IEEE CNF

3 A simulation study of schemes for block loss reduction in ATM networks using FEC and buffer management

Srinivasan, V.; Ghanwani, A.; Gelenbe, E.;
Computer Communications and Networks, 1995. Proceedings., Fourth International
Conference on , 20-23 Sept. 1995
Pages:124 - 131

[Abstract] [PDF Full-Text (828 KB)] IEEE CNF

4 An adaptive FEC scheme for data traffic in wireless ATM networks

Akyildiz, I.F.; Inwhae Joe; Driver, H.; Yung-Lung Ho;
Networking, IEEE/ACM Transactions on , Volume: 9 , Issue: 4 , Aug. 2001
Pages:419 - 426

[Abstract] [PDF Full-Text (136 KB)] IEEE JNL

5 The impact of GCRAs on FEC protected MPEG video streams over ATM

Alberaish, A.A.; Jadoon, T.M.; Smith, D.G.;
Telecommunications, 1998. 6th IEE Conference on (Conf. Publ. No. 451) , 29
March-1 April 1998